Page 1 of 25

STATE OF IDAHO

DEPARTMENT OF HEALTH AND WELFARE
DIVISION OF ENVIRONMENT

Pursuant to the Provisions

of Section 39-115 of the Idaho Code,

and the Rules and Regulations for the Con
trol of Air Pollution in Idaho,

J. R. Simplot Company
Permittee, including affiliates, if any

Post Office Box 912
Located at

Pocatello, Idaho 83201

is hereby granted permission to operate the Air

Politican Source(s) and Control Equipment specified

herein provided the emission limitations, monitoring
requirements and other conditions set forth in the

Source Permit(s) are complied with.

Validation:

Issued March 4, 1980
Expiration March 4, 1985

Milta / Klen

		SOURCE PERMIT NO	3. <u>13-1260-0006-01</u>
			Page 2 of 25
	•		
J. R. Simpl	ot Company	located nee	t at Pocatello, Idaho
is hereby gra	anted permission to	operate the follow	ving air pollution
source or cor	trol equipment; 10	0 calciner with em	issions controlled
	followed by a high		
			-
		•	
:			
Restrictions:			
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulate	3.8 lb/hour	Stack Test as required by
•			Operation and Maintenance Manual
			manual .
Conditions:			
Validation (i	f different from Fa	cility Permit)	
Issured			

Expiration

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	15,		
J. R. Simplo	ot Company	located n/e/	at Pocatello, Idaho
is hereby gra	nted permission t	to operate the follow	wing air pollution
source or con	trol equipment;_	200 calciner with e	missions controlled
by cyclones	followed by a hi	gh efficiency scrubb	er.
·			·
Restrictions:			
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Scrubber	Particulate	41.7 lb/hour	Stack Test as
			required by Operation and
			Maintenance
			Manual
	•		
Conditions:			
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			Page _ 4 _ of _25
J. R. Simplot Co	ompany	located ne	ar Pocatello, Idaho
is hereby granted	permission to	operate the follow	wing air pollution
source or control	equipment; 3	00 calciner with em	missions controlled
cyclones followe	ed by an elect	rostatic precipitat	or.
	-		
Restrictions:			
	Emission racteristic	Emission Limitations	Monitoring Requirements
Precipitator Pa	articulate	51.0 lb/hour	Stack Test as Required by Operation and Maintenance
			Manual
		•	· · · · · · · · · · · · · · · · · · ·
	•••		
Conditions:			• • .
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J. R. Simplot	Company		located m	ear Pocatello	, Idaho
is hereby gra	nted permission	to opera	te the follo	owing air pollut	ion
source or con	trol equipment;	Numbers	1 and 4 rol	ler mills with e	missions
controlled by	a cyclone foll	lowed by a	baghouse		
	÷.				
			<del></del>		
Restrictions:					
	•			•	
			•		
Emission Point	Emission Characteristic		mission mitations	Monitoring Requirements	
Baghouse	Particulate	t ,	6.6 lb/hour		
• .			•	Required by Operation a	
				Maintenance	
• •				Manual	
·	•		•	•	
	·				
Conditions:	A CONTRACTOR OF THE PARTY OF TH				
action shall in the Operation shall not be	be implemented ion and Mainten deemed a violat	in accord ance Manu ion of th	ance with part al. However is permit.	5% opacity, corresponding 5% opacity, corresponding 5% opacity, corresponding 5% opacity, exceeding 5% opacity, corresponding 5% opacity, correspond	ished
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		SOURCE PERMIT NO	. 13-1260-0006-05
			Page 6 of 25
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J. R. Simplot	Company	located ne/e/	r <sub>at Pocatello, Idaho</sub>
is hereby gra	nted permission t	o operate the follow	ing air pollution
source or con	trol equipment; N	Number 2 roller mill	with emissions
controlled by	a baghouse		
	-		
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		· · · · · · · · · · · · · · · · · · ·	
Restrictions:			
·			
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Baghouse	Particulate	1.8 lb/hour	Stack Test as Required by Operation and Maintenance Manual
action shall in the Operat	emissions from th be implemented in ion and Maintenan deemed a violation	e baghouse exceed 5% accordance with procee Manual. However, n of this permit.	opacity, corrective cedures established exceeding 5% opacity
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			Page 7 of <u>25</u>	
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J. R. Simplot	Company	located neg	rat Pocatello, Ida	ho
is hereby gra	nted permission to	operate the follow	ing air pollution	
source or con	trol equipment; Num	ber 5 roller mill	with emissions	
controlled by	a cyclone followed	by a baghouse		
			·	
				-
Restrictions:				
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements	
Baghouse	Particulate	12.0 lb/hour	Stack Test as Required by	
			Operation and Maintenance Manual	
•			•	
Conditions:				
action shall hin the Operation shall not be o	emissions from the hoe implemented in action and Maintenance deemed a violation of	ccordance with pro- Manual. However, of this permit.	cedures established	3
•	different from Fac	ility Permit)		
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	•	Page 8 of 2	5
J. R. Simplot Company	located neg	rat Pocatello, Id	daho
is hereby granted permission to op	perate the follow	ing air pollution	
source or control equipment; Number	per 6, 7, and 8 r	oller mills with	
emissions controlled by a cyclone	followed by a ba	ghouse	
			<del> </del>
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Restrictions:			
Emission Emission	Emission	Monitoring	
Point Characteristic	Limitations	Requirements	•
Baghouse Particulate	14.8 lb/hour	Stack Test as	•
		Required by Operation and	
	•	Maintenance	
		Manual	
	•		
Conditions:		·	
When visible emissions from the ba action shall be implemented in acc in the Operation and Maintenance M shall not be deemed a violation of	ordance with prod anual. However.	cedures establishe	ed
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Emission Emission Monitoring Point Characteristic Limitations Requirements  Scrubber Particulate 8.8 lb/hour Stack Test as Required by Operation and Maintenance Manual				Page <u>9</u> Of <u>25</u>
Restrictions:  Controlled by a scrubber.  Contro	J. R. Simplo	ot Company	located Me	dr at Pocatello, Idaho
Restrictions:  Controlled by a scrubber.  Contro	is hereby gra	inted permission	to operate the follow	wing air pollution
Restrictions:  Emission Emission Emission Monitoring Requirements  Scrubber Particulate 8.8 lb/hour Stack Test as Required by Operation and Maintenance Manual  Conditions:  Fonditions:		• .		
Restrictions:  Emission Emission Emission Monitoring Point Characteristic Limitations Requirements  Scrubber Particulate 8.8 lb/hour Stack Test as Required by Operation and Maintenance Manual  Conditions:  Conditions:		· .		
Emission Emission Emission Monitoring Requirements  Scrubber Particulate 8.8 lb/hour Stack Test as Required by Operation and Maintenance Manual  Conditions:  Talidation (if different from Facility Permit)  Issured	Controlled by	a scrubber.		
Emission Emission Emission Monitoring Requirements  Scrubber Particulate 8.8 lb/hour Stack Test as Required by Operation and Maintenance Manual  Conditions:  Talidation (if different from Facility Permit)  Issured				
Emission Emission Emission Monitoring Requirements  Scrubber Particulate 8.8 lb/hour Stack Test as Required by Operation and Maintenance Manual  Conditions:  Talidation (if different from Facility Permit)  Issured				
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Emission Emission Emission Monitoring Requirements  Scrubber Particulate 8.8 lb/hour Stack Test as Required by Operation and Maintenance Manual  Conditions:  Talidation (if different from Facility Permit)  Issured				:
Emission Emission Emission Monitoring Requirements  Scrubber Particulate 8.8 lb/hour Stack Test as Required by Operation and Maintenance Manual  Conditions:  Talidation (if different from Facility Permit)  Issured				
Emission Emission Emission Monitoring Requirements  Scrubber Particulate 8.8 lb/hour Stack Test as Required by Operation and Maintenance Manual  Conditions:  Talidation (if different from Facility Permit)  Issured				
Emission Emission Emission Monitoring Requirements  Scrubber Particulate 8.8 lb/hour Stack Test as Required by Operation and Maintenance Manual  Conditions:  Talidation (if different from Facility Permit)  Issured	Restrictions:			• .
Point Characteristic Limitations Requirements  Scrubber Particulate 8.8 lb/hour Stack Test as Required by Operation and Maintenance Manual  Conditions:  Calidation (if different from Facility Permit)  Issured			•	
Point Characteristic Limitations Requirements  Scrubber Particulate 8.8 lb/hour Stack Test as Required by Operation and Maintenance Manual  Conditions:  Calidation (if different from Facility Permit)  Issured		<b>-</b>		
Required by Operation and Maintenance Manual  Conditions:  Calidation (if different from Facility Permit)  Issured				
Operation and Maintenance Manual  Conditions:  Calidation (if different from Facility Permit)  Issured	Scrubber	Particulate	8.8 lb/hour	
Conditions:  Calidation (if different from Facility Permit)  Issured				
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Issured	Conditions:			•
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J. R. Simple	ot Company	located ne	At at Pocatello, Idaho
is hereby gra	anted permission	to operate the follo	wing air pollution
source or con	ntrol equipment;	300 phosphoric acid	plant with emissions
controlled b	y a packed bed	scrubber, and a ventu	ri scrubber in parallel
			`
·			
•			•
Restrictions			
	3		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
Packed bed Scrubber Venturi Scrubber	Particulate Particulate	10.8 lb/hour from both Stacks	Simultaneous Stack Tests as Required by Operation and Maintenance Manual
			Manual
Conditions:			
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Validation (i	f different from	m Facility Permit)	
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			Page _	11	of .	25
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J. R. Simplot Company		located :	war at Po	catel	lo,	Idaho
is hereby granted permission	to op	erate the fol	lowing air	poll	Lutio	on
source or control equipment;	Ammo	nium sulfate d	lrying and	cool	ing	with
emissions controlled by a cy						
cooler.						
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Restrictions:						,
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Emission Emission		Emission	Moni	torin	~	
Point Characteristic		Limitations	Moni Requi	remen		
Dryer Cyclone Particulate		3.7 lb/hour from both	Simul Stack			
Cooler Cyclone Particulate		stacks	Requi	red b	y	
			Opera Maint			
			Manua			
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Conditions:						
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J. R. Simplo	t Company	located neds	at Pocatello, Idaho
is hereby gra	anted permission	to operate the followi	ng air pollution
source or cor	ntrol equipment;	100 mono ammonium pho:	sphate plant;
reactor/gran	ulator emissions	are controlled by a ve	enturi scrubber (#1),
followed by	a cyclonic scrub	ber (#1), which is fol	lowed with a fluoride
scrubber; th	e dryer emissions	s are controlled by a	venturi scrubber (#2º)
followed by	a cyclonic scrub	ber (#2); dust emission	ns from sizing screens
polishing sc	reens and product	t handling are control	led by a baghouse.
Restrictions:	•	:	<i>(</i>
	· • •		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements
	•		
Fluoride Scrubber	Particulate	25.8 lb/hour from all stacks	Simultaneous Stack Tests as
#2 Cyclonic Scrubber	Particulate	IIOM AII SCACKS	Required by Operation and
Baghouse	Particulate		Maintenance Manual
Conditions:			
Validation (i	f different from	Facility Permit)	
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SOURCE	PERMIT	NO.	13-1260-0006-1
SOURCE	PERMIT	NO.	T3-TZ60-0006-T

Page	13	of	25	
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J. R. Simplot Company	located n/e/a/r	at Pocatello, Idaho
is hereby granted permission to on	perate the followi	ng air pollution
source or control equipment; Diam	monium phosphate :	reactor, granulator,
dryer and cooler. Reactor and g	ranulator emission	ns are controlled
by a venturi scrubber followed b	y a cyclonic scru	ober. Dryer emission
are controlled by a cyclone then		
scrubber that is used in common	with the reactor	and granulator, then
a mist eliminator. Cooler emiss	ions are controlle	ed by a cyclone, then
a baghouse.		
Restrictions:	•	
Emission Emission Point Characteristic	Emission Limitations	Monitoring Requirements
Dryer, Reactor & Granulator Particulate Scrubber  Cooler Baghouse Particulate	85.4 lb/hour from both Stacks	Simultaneous Stack Tests as Required by Operation and Maintenance
		Manual
Conditions:		
Validation (if different from Faci	lity Permit)	
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J. R. Simplo	t Company		located nAd	Ar at Pocatello,	Tdaho
			-		
•				ving air pollutio	
source or con	trol equipment;	Triple su	per phospha	te plant with dr	yer
emissions con	ntrolled by a cy	clone follo	owed by a c	yclonic scrubber	,
then a centr	ifield scrubber.	Dust emi	ssions from	material handli	ng
equipment are	e controlled by	a baghouse	•		``
		<del></del>			
Restrictions:	•				
	<b>)</b>				
Emission Point	Emission Characteristic		ssion tations	Monitoring Requirements	
Centrifield Scrubber	Particulate		B lb/hour	Simultaneous Stack Tests as	<b>c</b>
Baghouse	Particulate	stac		Required by Operation and Maintenance	
				Manual	
Conditions:					
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SOURCE	PERMIT	NO.	13-1200-0000-14

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J. R. Simplot Company located near at Pocatello,	
is hereby granted normission to answer the sail is	Idaho
is hereby granted permission to operate the following air pollutio	n
source or control equipment; Nitrate solutions plant	
	,
Restrictions:	
Emission Emission Monitoring	
Point Characteristic Limitations Requirements	_
Point Characteristic Limitations Requirements  General provisions of the Rules and Regulations for the Control of Air Pollution in Idaho.	
General provisions of the Rules and Regulations for the Control of	<u> </u>
General provisions of the Rules and Regulations for the Control of	
General provisions of the Rules and Regulations for the Control of	
General provisions of the Rules and Regulations for the Control of	
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General provisions of the Rules and Regulations for the Control of Air Pollution in Idaho.  Conditions:	
General provisions of the Rules and Regulations for the Control of Air Pollution in Idaho.  Conditions:  Validation (if different from Facility Permit)  Effective	
General provisions of the Rules and Regulations for the Control of Air Pollution in Idaho.  Conditions:  Validation (if different from Facility Permit)	

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				•
J. R. Sin	mplot Company	located ne	or at Pocatello, Id	aho_
is hereby	granted permission to	operate the follo	wing air pollution	
source or	control equipment; Ni	tric Acid Plant		
				``
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Restriction	ns:			
	•	•		
Emission Point	Emission Characteristic	Emission Limitations	Monitoring Requirements	į
Stack	NOx(expressed as NO2)	3 pounds per ton of 100% acid produced	Continuous, Stack Test as Required by	
•	Opacity	10%	Operation and Maintenance Manual	
Conditions	· • · · · · · · · · · · · · · · · · · ·			
This source	e is subject to new s	cource performance	standards.	
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SOURCE PERMIT NO.

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Page <u>19</u> of <u>25</u>

J. R. Simplot	Company	2	located néa	/r_at Pocatel	lo. Idaho
is hereby grante					
		•		ing air poir	ution
source or contro	ol equipment;	Ammonia P	lant		
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Restrictions:					
Restrictions:					
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Emission Point Ch	Emission naracteristic		ssion ations	Monitoring Requirement	
General provisi	ons of the Ru	les and Reco	ulations fo	or the Contro	1 of
Air Pollution i	n Idaho.	<u> </u>		,	
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Conditions:					
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J. R. Simplot Company	located near at Pocatello, Idaho
is hereby granted permission to op-	erate the following air pollution
source or control equipment: Keele	er Boiler fired by natural gas with
distillate fuel oil as stand by.	
Restrictions:	
Emission Emission Point Characteristic	Emission Monitoring Limitations Requirements
Sulfur limitations for distillate 1-1354 of the Rules and Regulation in Idaho.	fuel grades as defined in Section as for the Control of Air Pollution
Conditions:	
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## PART II GENERAL PROVISIONS

- A All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or non-compliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules and Regulations for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et seq.
- B The permittee shall at all times (except as provided in the Rules and Regulations for the Control of Air Pollution in Idaho) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- C The permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
  - To enter upon the permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

Page 22 of 25

- 2) at reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit, and to sample any emission of pollutants.
- D Except for data determined to be confidential under Section 39-111, <u>Idaho Code</u>, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environment.
- E Nothing in this permit is intended to relieve or exempt the permittee from compliance with any applicable federal, state or local law or regulation, except as specifically provided herein.
- F In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G Until the expiration date, this permit shall be renewable annually, provided the permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit

such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.

- H The Director may require the permittee to develop a list of Operation and Maintenance Procedures which must by approved by the Department. Such list of procedures shall become a part of this permit by reference, and the permittee shall adhere to all of the operation and maintenance procedures contained therein.
- The permittee shall provide the appropriate regional office a minimum of five (5) days notice prior to the scheduled date of any emissions test required pursuant to this permit. The permittee shall notify the appropriate regional office of any change in the testing schedule and shall provide at least one (1) days notice prior to conducting any rescheduled test. Any records or data generated as a result of such compliance tests shall be made available to the Department upon request.

#### PART III FUGITIVE EMISSION CONTROL

The permittee shall reduce fugitive emissions from the following sources in accordance with the schedules below:

### A. Ammonium Phosphate Plant

Permittee shall install equipment to collect and control fugitive emissions from materials handling equipment on or before July 1, 1980.

# B. Calcining Building

Permittee shall install equipment to collect and control fugitive emissions from materials handling equipment on or before February 1, 1981.

### C. Mill Building

Permittee shall install equipment to collect and control fugitive emissions from materials handling equipment in accordance with the following compliance schedule:

- 1) By March 1, 1981, submit a final emission control plan, including equipment design specifications and drawings for approval by the Department.
- 2) By June 1, 1981, let contracts or issue purchase orders for equipment necessary to control fugitive emissions in accordance with plans approved by the Department.
- 3) By June 1, 1982, initiate construction of control equipment.

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- 4) By September 1, 1982, complete construction of control equipment.
- 5) By October 1, 1982, demonstrate compliance with the final control plan approved by the Department.

